Fact Sheet: Information Sharing Environment Profile and Architecture Implementation Strategy, Version 1.0

BACKGROUND

- On May 10, 2008, Ambassador Thomas E. McNamara, Program Manager, Information Sharing Environment (ISE), publicly released the Information Sharing Environment Profile and Architecture Implementation Strategy (ISE PAIS) addressing key requirements of section 1016 of the *Intelligence Reform and Terrorism Prevention Act of 2004*, as amended.

- Intended for federal Chief Information Officers, Chief Technology Officers, Chief Architects, and network managers, the ISE PAIS provides critical guidance to support the integration of existing and planned information sharing capabilities into the ISE.

- The PAIS presents a six-stage ISE Architecture Implementation Life Cycle following the guidance found in the ISE Enterprise Architecture Framework to develop and implement an information sharing segment architecture (ISSA) and an ISE Shared Space. The ISE PAIS presents an implementation approach taking into account the Office of Management and Budget's Capital Planning and Investment Control processes.

- The ISE PAIS was developed through a collaborative process involving agencies of the Information Sharing Council and was reviewed and approved by the Federal Chief Information Officers Council's Architecture and Infrastructure Committee, as well as the Office of Management and Budget.

KEY ELEMENTS OF THE FEA-ISE PROFILE

- The ISE PAIS identifies key concepts required in an information sharing segment architecture. These include:

  - Information assurance and information technology security, to include descriptions of the ISE trust model and ISE Risk Management Framework;

  - Information Flows that demonstrate the movement of information within specific business processes that support counterterrorism efforts; and

- Enterprise architecture concepts, such as technology standards, integration patterns, service-based architecture, and segment and solution architecture concepts.

- The ISE PAIS provides a six-stage ISE Architecture Implementation Life Cycle an ISE participant would follow in developing their ISSA. The stages are:

  - Assess Existing ISE Mission Business Processes and Performance Characteristics (Assess and Validate the Performance Reference Model Goals and Target);

  - Identify and Categorize Candidate Assets for Sharing;

  - Plan Transition to the Information Sharing Environment;

  - Develop and Enhance Information Technology Components;

  - Integrate Information Technology Components into the ISE; and

  - Operate, Maintain, and Evaluate the ISE.

BACKGROUND ON THE INFORMATION SHARING ENVIRONMENT

- The *Intelligence Reform and Terrorism Prevention Act of 2004,* as amended, calls for the development of an ISE to facilitate the sharing of terrorism and homeland security information among Federal, State, local, and tribal governments and, as appropriate, foreign governments and the private sector.

- As part of implementing the ISE, the law requires the Program Manager to describe the functions, capabilities, resources, and conceptual design of the ISE, and the impact on the enterprise architectures of participating agencies. As a companion document to the ISE Enterprise Architecture Framework, the ISE PAIS supports these requirements.